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PTO/SB/05 (2/98)  
Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. MJV-117-A

First Inventor or Application Identifier Jorge A. Morando

Title Advanced Motor Driven Impeller Pump for..

Express Mail Label No. EHL88461912US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
  2. ☒ Specification [Total Pages (preferred arrangement set forth below)
    - Descriptive title of the invention
    - Cross References to Related Applications
    - Statement Regarding Fed sponsored R & D
    - Reference to Microfiche Appendix
    - Background of the invention
    - Brief Summary of the invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets   - 4. Oath or Declaration [Total Pages   - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
(Note Box 5 below)
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☒ \* Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Other: .....

\* NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application Information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label IDON304909 or ☒ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name	Charles W. Chandler				
Address	33150 Schoolcraft				
City	Livonia	State	MI	Zip Code	48150
Country	U.S.A.	Telephone	(734) 522-0920	Fax	(734) 522-5657

Name (Print/Type)	Charles W. Chandler	Registration No. (Attorney/Agent)	24,290
Signature		Date	8/7/98

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 957.00

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Jorge A. Morando
Examiner Name	
Group / Art Unit	
Attorney Docket No.	MJV-117-A

**METHOD OF PAYMENT (check one)**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number  
Deposit  
Account  
Name☐ Charge Any Additional  
Fee Required Under  
37 C.F.R. §§ 1.16 and 1.17☐ Charge the Issue Fee Set in  
37 C.F.R. § 1.18 at the Mailing  
of the Notice of Allowance

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
101	790	201	395	Utility filing fee	395
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1)					(\$) 395

**2. EXTRA CLAIM FEES**

Total Claims		Extra Claims		Fee from below		Fee Paid	
Independent	Multiple Dependent	Claims	Claims	Claims	Claims	Claims	Claims
45	10	25	7	11	41	275	287

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity		Small Entity		Fee Description
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	** Reissue independent claims over original patent
110	22	210	11	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 562

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1,510	218	755	Extension for reply within fourth month	
128	2,060	228	1,030	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) \_\_\_\_\_

**SUBMITTED BY**Typed or  
Printed Name Charles W. Chandler

Signature

Date

8/7/98

**Complete (if applicable)**

Reg. Number 24,290

Deposit Account  
User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. patent application of:  
JORGE A. MORANDO

Serial No. Unknown

Examiner:

Filing Date: Unknown

Art Unit:

For: ADVANCED MOTOR DRIVEN IMPELLER PUMP FOR MOVING METAL  
IN A BATH OF MOLTEN METAL

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EXPRESS MAIL CERTIFICATION

Assistant Commissioner for Patents  
Washington, D.C. 20231

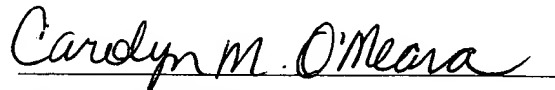
Express Mail:

Mailing Label  
EH188461912US

Date of Deposit:

August 7, 1998

I hereby certify that the enclosed patent application consisting of 13 pages of description, 45 claims, 9 sheets of drawing (in duplicate), Declaration for Utility Patent Application, Verified Statement Claiming Small Entity Status - Ind. Inv. and Small Business Concern, Fee Transmittal, New Utility Patent Application Transmittal, Petition to Make Special and Declaration of Jorge A. Morando, and the government filing fee of \$957 (Client Ck. No. 3263) are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Box New Patent Application, Washington, D.C. 20231.



Carolyn M. O'Meara

2/8/00  
Most since  
Not assigned  
01/00  
Dulles

#9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: JORGE A. MORANDO

SERIAL NO.:

EXAMINER:

FILING DATE:

ART UNIT:

FOR: ADVANCED MOTOR DRIVEN IMPELLER PUMP FOR  
MOVING METAL IN A BATH OF MOLTEN METAL

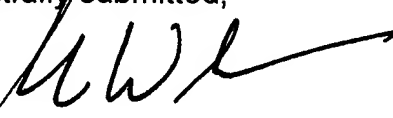
JC523 U.S. PTO  
09/130937  
08/07/98

PETITION TO MAKE SPECIAL UNDER 37 CFR § 1.102 (c)

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Applicant petitions the Commissioner of Patents to make special the above-identified patent application. The basis for the Petition is that applicant is 67 years of age. In accordance with MPEP 708.02 IV a Declaration pertaining to his birth date is attached. In view of the above, applicant requests that this Petition to Make Special be granted, and the Examination of the application be advanced.

Respectfully submitted,



Charles W. Chandler  
P.O. Reg. No. 24,290  
Attorney for Applicant  
33150 Schoolcraft  
Livonia, MI 48150  
(313) 522-0920

Date:

8/7/98